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REMARKS

This Amendment is in response to the Final Office Action mailed on June 15, 2004. In the Office Action, claims 1-85 were rejected. With this Amendment, claims 1, 8-12, 19, 22, 32-37, 46, 49, 60, 63, 70 and 73 are amended. Reconsideration and allowance of all pending claims are respectfully requested.

In the first and second paragraphs of the Office Action, claims 1-85 were rejected under 35 U.S.C. § 103 as being unpatentable over Dumoulin et al. in view of Minkoff and Halperin et al. It is respectfully submitted that independent claims 1 and 60 are not obvious in view of the cited references.

Claim 1 has been amended to incorporate features of claims 8 and 19 and claim 60 has been amended to incorporate features of claim 70. Both claims 1 and 60 recite a first internal antenna and a second internal antenna that are positioned within the occluded vessel and proximate the occlusion. As noted on page 16 of the Specification, a second internal antenna is used with a first internal antenna in order to collect more information about the surroundings of the intravascular device to thereby facilitate a more detailed view of the vessel and the occlusion.

It is respectfully submitted that the claim element of a second internal antenna positioned within an occluded vessel with a first internal antenna is not shown in any of the cited references. Therefore, claims 1 and 60 are in condition for allowance over the cited art. In addition dependent claims 2-59 and 61-80 are in condition for allowance by virtue of their dependency on allowable claims 1 and 60. However, read in their entirety, these dependent claims are allowable for other reasons. For example, elements of dependent claims 2-59 and 61-80 are not shown in the cited references.

In view of the above amendments and remarks, reconsideration and favorable action are respectfully requested.

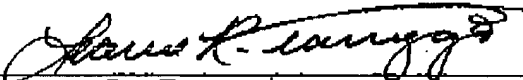
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The Director is authorized to charge any fee deficiency required by this paper or credit any overpayment to Deposit Account No. 23-1123.

Respectfully submitted,

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